

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
3 June 2004 (03.06.2004)

PCT

(10) International Publication Number  
**WO 2004/047489 A1**

(51) International Patent Classification<sup>7</sup>: **H04S 1/00**

(21) International Application Number:  
PCT/IB2003/005131

(22) International Filing Date:  
13 November 2003 (13.11.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
02080357.3 20 November 2002 (20.11.2002) EP  
02080570.1 30 December 2002 (30.12.2002) EP

(71) Applicant (for all designated States except US): **KONINKLIJKE PHILIPS ELECTRONICS N.V.** [NL/NL]; Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **MERTENS, Mark, J., W.** [BE/NL]; c/o Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL). **SCHOBEN, Daniel, W., E.** [NL/NL]; c/o Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL). **AARTS, Ronaldus, M.** [NL/NL]; c/o Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).

(74) Agent: **GROENENDAAL, Antonius, W., M.**; Philips Intellectual Property & Standards, Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

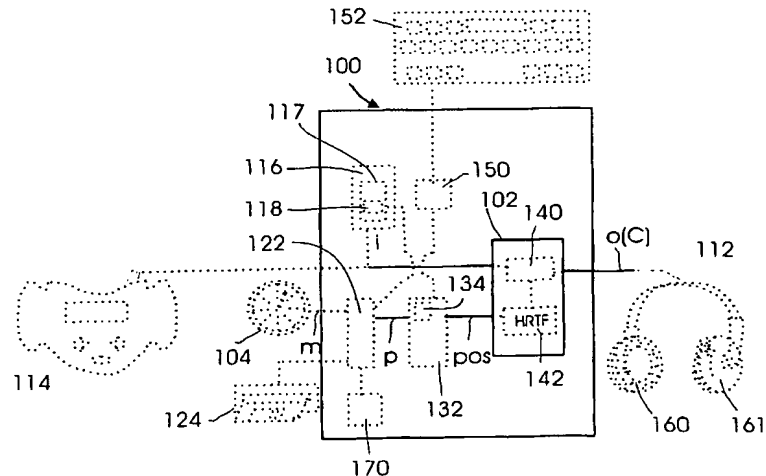
(84) Designated States (regional): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**Declaration under Rule 4.17:**

— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH,

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(54) Title: AUDIO BASED DATA REPRESENTATION APPARATUS AND METHOD



(57) Abstract: The data representation apparatus (100) for representing data by means of an audio signal (o), contains an audio processing-unit (102) arranged to deliver the audio signal (o) with a characteristic (C) dependent on a positionless data variable (p) capable of having a first value (206) and a second value (208), whereby the data representation apparatus (100) comprises a mapping unit (132), arranged to map by means of a mapping the first value (206) of the data variable (p) to a first position (216) in three-dimensional space, and the second value (208) of the data variable (p) to a second position (218) in three-dimensional space, and the audio processing unit (102) is arranged to change the characteristic (C), resulting in the audio signal appearing to originate from the first position (216) for the data variable (p) having the first value (206) respectively the second position (218) for the data variable (p) having the second value (208), to a user (100) listening to the audio signal (o). A system containing such a data representation apparatus (100) and a source of data, a source of music and a sound production is also described, as well as a method.

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